MARICOPA ASSOCIATION OF GOVERMENT (MAG) UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION. MARICOPA ASSOCIATION OF GOVERMENT (MAG) UNIFORM STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION.

A.D.H.S. (ADEQ) ENGINEERING BULLETINS NO. 8 AND 10 (WATER SYSTEMS).

A.D.H.S. (ADEQ) ENGINEERING BULLETINS NO. 11 AND 12 (SEWAGE WORKS).

A.W.W.A. STANDARDS. M.U.T.C.D. MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

ARIZONA DEPARTMENT OF TRANSPORTATION (ADOT) STANDARD SPECIFICATIONS AND DRAWINGS. CITY OF FLAGSTAFF (COF) ENGINEERING DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN COPIES OF THE ABOVE STANDARDS, SPECIFICATIONS AND DETAILS, AS WELL AS ALL OTHER STANDARDS AND SPECIFICATIONS WHICH MAY BE NECESSARY TO COMPLETELY AND ACCURATELY INTERPRET THÈSE PLANS.

ALL QUANTITIES SHOWN ARE APPROXIMATE AND ARE FURNISHED SOLELY FOR THE CONTRACTOR'S CONVENIENCE. THEY DO NOT NECESSARILY CORRESPOND TO BID SCHEDULE ITEMS. PAYMENT WILL BE BASED ON BID SCHEDULE ITEMS. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR INDEPENDENTLY ESTIMATING WORK QUANTITIES PRIOR TO BIDDING.

UNDERGROUND UTILITY LOCATIONS, AS SHOWN ON THESE PLANS, WERE DETERMINED FROM FIELD MEASUREMENTS, CONSTRUCTION PLANS, RECORD PLANS, OR UTILITY MAPS FURNISHED BY OTHERS. LOCATIONS OF UNDERGROUND UTILITIES ARE TO BE REGARDED AS APPROXIMATE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ESTABLISH IN THE FIELD THE ACTUAL LOCATIONS OF ALL UNDERGROUND LINES WHICH MAY IN ANY WAY AFFECT THE WORK AND TO FOLLOW ALL ARIZONA BLUESTAKE REGULATIONS.

THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR MAKING COMPLETE AND ACCURATE ON-SITE DETERMINATIONS OF THE LOCATIONS OF ALL UTILITIES, STRUCTURES AND FIELD CONDITIONS, WHICH MAY AFFECT THE PROGRESS OF THE WORK.

WHERE PLANS CALL FOR CONNECTING NEW STRUCTURES TO EXISTING UNDERGROUND PIPES OR STRUCTURES, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE, AT THE TIME OF CONSTRUCTION, EXACT SIZES, TYPES AND LOCATIONS OF EXISTING

IMPROVEMENTS AND TO FURNISH MATERIALS AS NEEDED TO MAKE THE REQUIRED CONNECTIONS.

WHERE THE LOCATION OF EXISTING STRUCTURES ARE INDICATED ON THE PLANS, INDICATED LOCATIONS ARE APPROXIMATE ONLY.

THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING WHAT PERMITS WILL BE REQUIRED FOR THE WORK AND FOR OBTAINING, AT HIS OWN EXPENSE, ALL PERMITS REQUIRED UNLESS STATED OTHERWISE IN THE SPECIAL PROVISIONS.

THE APPROPRIATE UTILITY COMPANIES SHALL BE NOTIFIED BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION. "BLUE STAKE" NUMBER IS 1-300-STAKE-IT. CONTRACTOR SHALL ALLOW TWO WORKING DAYS AFTER "BLUE STAKE" IS NOTIFIED, BEFORE COMMENCING ANY EXCAVATION WORK IN THE PROXIMITY OF BURIED UTILITIES.

RIGHT-OF-WAY AND TRAFFIC CONTROL

THE CONTRACTOR SHALL PROVIDE ANY NECESSARY TRAFFIC CONTROL DEVICES REQUIRED FOR THE CONTROL OF VEHICLE AND PEDESTRIAN TRAFFIC AFFECTED BY THE CONSTRUCTION. ALL TRAFFIC CONTROL PLANS MUST BE APPROVED BY THE OWNER OR HIS REPRESENTATIVE PRIOR TO IMPLEMENTATION.

WATER, SEWER AND RECLAIMED WATER

AT LEAST 48 HOURS PRIOR NOTICE IS REQUIRED BEFORE DISRUPTING EXISTING UTILITY SERVICE TO MAKE CONNECTIONS. THE NOTICE MUST INCLUDE THE EXACT TIME OF THE DISRUPTION OF SERVICE AND THE EXPECTED DURATION OF THE LOSS OF SERVICE.

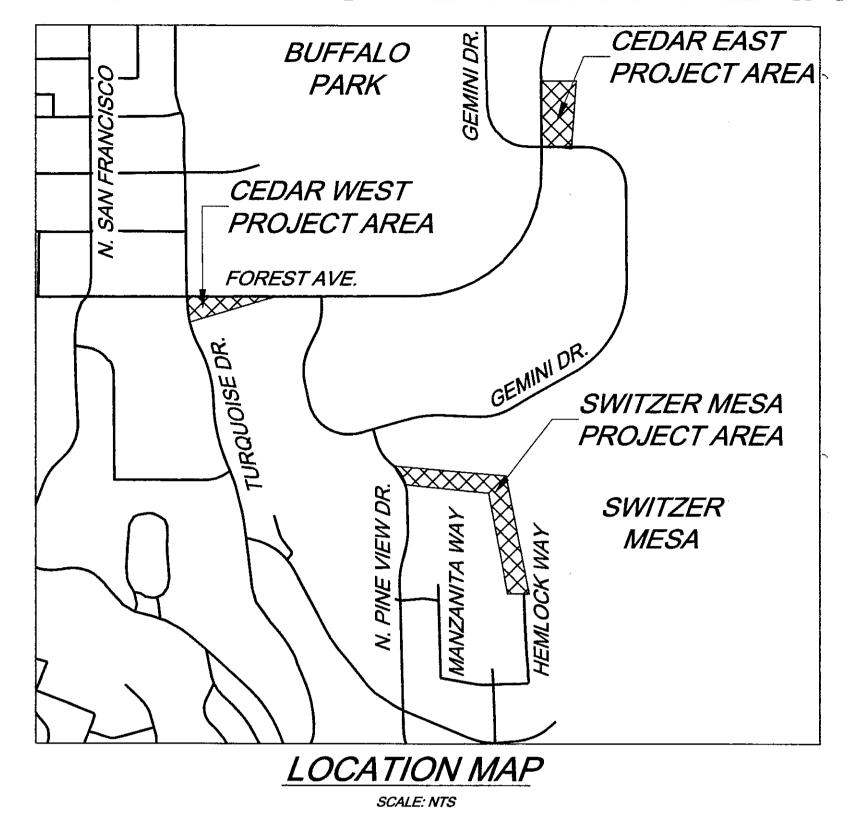
ADEQUATE DRAINAGE, EROSION AND SEDIMENT CONTROL MEASURES, BEST MANAGEMENT PRACTICES, AND/OR OTHER STORMWATER MANAGEMENT FACILITIES SHALL BE PROVIDED AND MAINTAINED AT ALL TIMES DURING CONSTRUCTION. DAMAGES TO ADJACENT PROPERTY AND/OR THE CONSTRUCTION SITE CAUSED BY THE CONTRACTOR'S OR PROPERTY OWNER'S FAILURE TO PROVIDE AND MAINTAIN ADEQUATE DRAINAGE AND EROSION/SEDIMENT CONTROL FOR THE CONSTRUCTION AREA SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND/OR

CITY OF FLAGSTAFF CONSTRUCTION PLAN NOTES

- APPROVAL OF THESE PLANS BY THE CITY ENGINEER IS FOR A ONE-YEAR PERIOD. SUBSEQUENT TO THE DATE OF APPROVAL. IF CONSTRUCTION WORK IS NOT STARTED WITHIN THE ONE-YEAR PERIOD. OR HAS BEEN DISCONTINUED FOR ANY REASON FOR LONGER THAN ONE YEAR. THE PLANS SHALL BE RESUBMITTED FOR REVIEW AND RE-APPROVAL.
- 2. PLAN REVIEW BY THE CITY DOES NOT EXTEND TO MATERIAL QUANTITIES SHOWN ON THE PLANS.
- A PUBLIC WORKS PERMIT, ISSUED BY THE CITY, IS REQUIRED FOR ALL WORK IN CITY RIGHTS-OF-WAY OR EASEMENTS AND FOR
- CONSTRUCTION OF ANY IMPROVEMENTS INTENDED TO BECOME PUBLIC PROPERTY. THE CITY SHALL BE NOTIFIED 24 HOURS PRIOR TO BEGINNING DIFFERENT PHASES OF CONSTRUCTION SO THAT CITY INSPECTORS
- 5. ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH THE CURRENT CITY OF FLAGSTAFF "ENGINEERING DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS," THE CURRENT "MAG UNIFORM STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC WORKS CONSTRUCTION." THE CITY OF FLAGSTAFF STORMWATER DESIGN MANUAL, AND WITH GENERALLY ACCEPTED ENGINEERING DESIGN AND CONSTRUCTION PRACTICE. ALL WORK AND MATERIALS WHICH DO NOT CONFORM TO THE STANDARDS AND SPECIFICATIONS ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
- ANY WORK PERFORMED WITHOUT THE KNOWLEDGE AND APPROVAL OF THE CITY ENGINEER OR HIS AUTHORIZED REPRESENTATIVE, IS SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
- THE CITY ENGINEER OR HIS AUTHORIZED REPRESENTATIVE MAY SUSPEND THE WORK BY WRITTEN NOTICE WHEN. IN HIS JUDGMENT, PROGRESS IS UNSATISFACTORY, WORK BEING DONE IS UNAUTHORIZED OR DEFECTIVE, WEATHER CONDITIONS ARE UNSUITABLE, OR THERE IS DANGER TO THE PUBLIC HEALTH OR SAFETY.
- 8. THE CITY ENGINEER MAY ORDER ANY OR ALL MATERIALS USED IN THE WORK TO BE TESTED ACCORDING TO THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) AND THE AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) STANDARDS. THE CONTRACTOR SHALL, AT HIS EXPENSE, SUPPLY ALL SAMPLES REQUIRED FOR TESTING.
- ACCESS WHICH MEETS SECTION 13-04-010, FIRE HYDRANTS, WATER MAINS, AND STREET NAME SIGNS SHALL BE IN PLACE AND APPROVED BEFORE AND AT ALL TIMES DURING ON-SITE COMBUSTIBLE CONSTRUCTION AND/OR PRIOR TO ISSUANCE OF BUILDING PERMITS IN NEW SUBDIVISIONS. FIRE DEPARTMENT AND ENGINEERING DIVISION APPROVAL IS REQUIRED FOR OBSTRUCTION OF ACCESS OR WATER SYSTEM SHUTDOWN.
- 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE STREETS AND OF PARTIALLY COMPLETED PORTIONS OF THE WORK UNTIL FINAL ACCEPTANCE OF THE WORK. THE CONTRACTOR SHALL SUBMIT TO THE CITY ENGINEER FOR APPROVAL A CONSTRUCTION SCHEDULE FOR ANY STREETS REQUIRED TO BE CLOSED OR PARTIALLY CLOSED FOR THE CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL REOPEN THE STREETS NO LATER THAN THE OPENING DATE SHOWN ON THE CONSTRUCTION SCHEDULE OR UPON ORDER OF THE CITY ENGINEER. THE REGULATION AND CONTROL OF CONSTRUCTION TRAFFIC SHALL BE AS DIRECTED BY THE CITY ENGINEER OR HIS AUTHORIZED REPRESENTATIVE.
- 11. APPROVAL OF A PORTION OF THE WORK IN PROGRESS DOES NOT GUARANTEE ITS FINAL ACCEPTANCE. TESTING AND EVALUATION MAY CONTINUE UNTIL WRITTEN FINAL ACCEPTANCE OF A COMPLETE WORKABLE UNIT. ANY DEFECTS WHICH APPEAR IN THE WORK WITHIN ONE YEAR FROM THE DATE OF ACCEPTANCE AND WHICH ARE DUE TO IMPROPER WORKMANSHIP OR INFERIOR MATERIALS SUPPLIED SHALL BE CORRECTED BY OR AT THE EXPENSE OF THE OWNER/DEVELOPER OR THE CONTRACTOR.
- 12. ACCEPTANCE OF COMPLETED PUBLIC IMPROVEMENTS WILL NOT BE GIVEN UNTIL DEFECTIVE OR UNAUTHORIZED WORK IS REMOVED, AND FINAL CLEAN-UP IS COMPLETE.
- 13. LOCATION OF UNDERGROUND UTILITIES BEFORE WORK IS BEGUN IS TO BE ACCOMPLISHED IN ACCORDANCE WITH ARS 40-360.22.
- 14. IF WORK DONE IS ON PRIVATE PROPERTY IN RELATION TO A PROJECT CONSTRUCTED UNDER THESE STANDARDS, THE CONTRACTOR WILL PROVIDE THE CITY WITH WRITTEN AUTHORIZATION FROM THE PROPERTY OWNER TO DO SO.
- 15. THE ESTABLISHMENT AND USE OF TEMPORARY CONSTRUCTION YARDS SHALL CONFORM TO THE CURRENT CITY LAND DEVELOPMENT CODE STANDARDS FOR "TEMPORARY USES".
- 16. ALL EXCAVATED MATERIAL SHALL BE DISPOSED OF IN ACCORDANCE WITH APPLICABLE CITY CODES AND REGULATIONS. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED CITY APPROVALS AND PERMITS, AS DEEMED NECESARY BY THE CITY, TO DISPOSE OF
- 17. ALL CONSTRUCTION STAKING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR/DEVELOPER AND PERFORMED UNDER THE DIRECT SUPERVISION OF A REGISTERED LAND SURVEYOR OR CIVIL ENGINEER.
- 18. ALL DISTURBED AREAS SHALL BE SEEDED PER COF STANDARD SEC. 17-02-01 AND 17-03-010. THE SEED MIX IS TO BE PER PLANT LIST. SHEET C1.
- 19. EXISTING TREES SHALL BE PROTECTED WITH 3' HIGH ORANGE TREE PROTECTION FENCE PER PLANS.

CP-21567

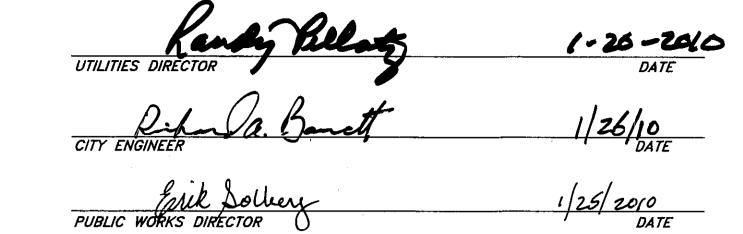
CEDAR & SWITZER MESA FUTS IMPROVEMENT PLANS



QUANTITIES

RELOCATE EXISTING BOULDERS	6 EA
REMOVE EXISTING FUTS RAIL FENCE	10 LF
REMOVE & DISPOSE OF EXISTING CURB	30 LF
REMOVE & DISPOSE OF EXISTING CONCRETE	675 SF
ADJUST EXISTING ELECTRIC BOX TO FINISH GRADE	3 EA
REMOVE & DISPOSE OF EXISTING BOULDERS	1 LS
SAW-CUT, REMOVE & DISPOSE OF EXISTING ASPHALT	10 SY
REMOVE EXISTING CROSSWALK STRIPING	1 LS
NEW 10' WIDE CONCRETE FUTS TRAIL	1350 SF
NEW 10' WIDE AGGREGATE FUTS TRAIL	1995 SY
NEW CURB RAMP	1 EA
NEW FUTS RAIL FENCE	10 LF
24" TURN DOWN EDGE ON FUTS TRAIL	40 LF
NEW ASPHALT TO MATCH EXISTING SECTION	10 SY
NEW CONCRETE FUTS ENTRANCE	66 SY
NEW 18" CULVERT	45 LF
NEW 24" CULVERT	120 LF
GRADE CHANNEL	1 LS
CHECK DAM	7 EA
SEEDING & LANDSCAPE RESTORATION	1 LS
3' HIGH ORANGE TREE PROTECTION FENCE	1 LS
SILT FENCE	1375 LF
NEW REMOVABLE BOLLARD	3 EA
NEW CROSSWALK STRIPING	8 LF

CITY OF FLAGSTAFF APPROVALS



CONCEPT APPROVAL NOTE:
THE CITY APPROVES THESE PLANS FOR CONCEPT ONLY. ALL LIABILITY FOR ERRORS OR OMISSIONS IS THE RESPONSIBILITY OF THE DESIGN ENGINEER.

PROJECT OWNER:

CITY OF FLAGSTAFF 211 WEST ASPEN AVENUE FLAGSTAFF, AZ. 86001 928-779-7685

PROJECT ENGINEER:

THE WLB GROUP INC. 523 N. BEAVER STREET FLAGSTAFF, ARIZONA 86001 (928) 779-1500

SHEET INDEX

COVER SHEET	C1
NOTES & DETAILS	C2
CEDAR EAST & WEST PLANS	<i>C3</i>
SWITZER MESA PLAN & PROFILE STA 1+00 TO STA 10+00	C4
SWITZER MESA PLAN & PROFILE STA 10+00 TO STA 15+20.25	C5

UTILITY ACKNOWLEDGMENTS

BRIAN WALLACE	9/14/09	
ARIZONA PUBLIC SERVICE	DATE	
EDIE ANDERSON	10/9/09	
UNISOURCE ENERGY SERVICES	DATE	
SKIP BARDSLEY	10/12/09	
QWEST COMMUNICATIONS	DATE	
SANFORD YAZZIE	9/18/09	
NPG CABLE	DATÉ	

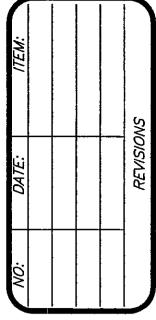
UTILITY CONFLICT NOTE

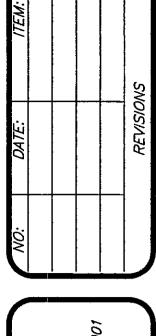
THERE ARE NO UTILITY CONFLICTS PER CONSTRUCTION SHOWN ON THESE PLANS.

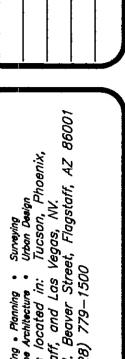
PLANT LIST

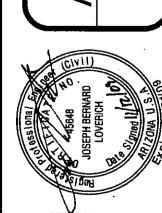
Scientific Name	Common Name	PLS#/ A	% of Mix
COVER NURSE CROP			
Triticum aestivum x Elytrigia elongata	Regreen	20#/Acre	
GRASSES	omenden stat engelisteterrettlegende til en deggere meddenhamer som person et vers i vær i de ett til ett til ett ende størende støre v		
Bouteloua curtipendula	Sideoats Grama	2	8
Bouteloua gracilis	Blue Grama	4.5	18
Elymus elymoides (Sitanion hystrix)	Bottlebrush Squirreltail	2.5	10
Festuca arizonica	Arizona Fescue	4	16
Koeleria macrantha	Prairie Junegrass	2	8
Schizachyrium scoparium	Little Bluestem	3.75	15
		18.75#	75%
WILDFLOWERS	g the gament of the same that the same and t		
Castilleja linariaefolia	Narrowleaf Paintbrush	0.5	2
Echinacea purpurea	Purple Coneflower	0.75	3
Gaillardia aristata	Blanket Flower	1	4
Linum perenne 'Lewisii'	Blue Flax	0.75	3
Oenothera hookeri	Hooker's evening primrose	0.75	2.5
Penstemon strictus	Mountain Penstemon	1	4
Penstemon virgatus	Wand Beardstongue	0.75	2.5
Ratibida columnifera	Prairie Coneflower	0.5	2
Ratibida columnifera forma pulcherrima	Mexican Hat	0.5	2
<u> </u>		6.5#	25%

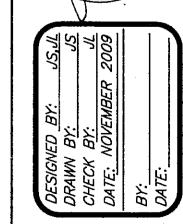


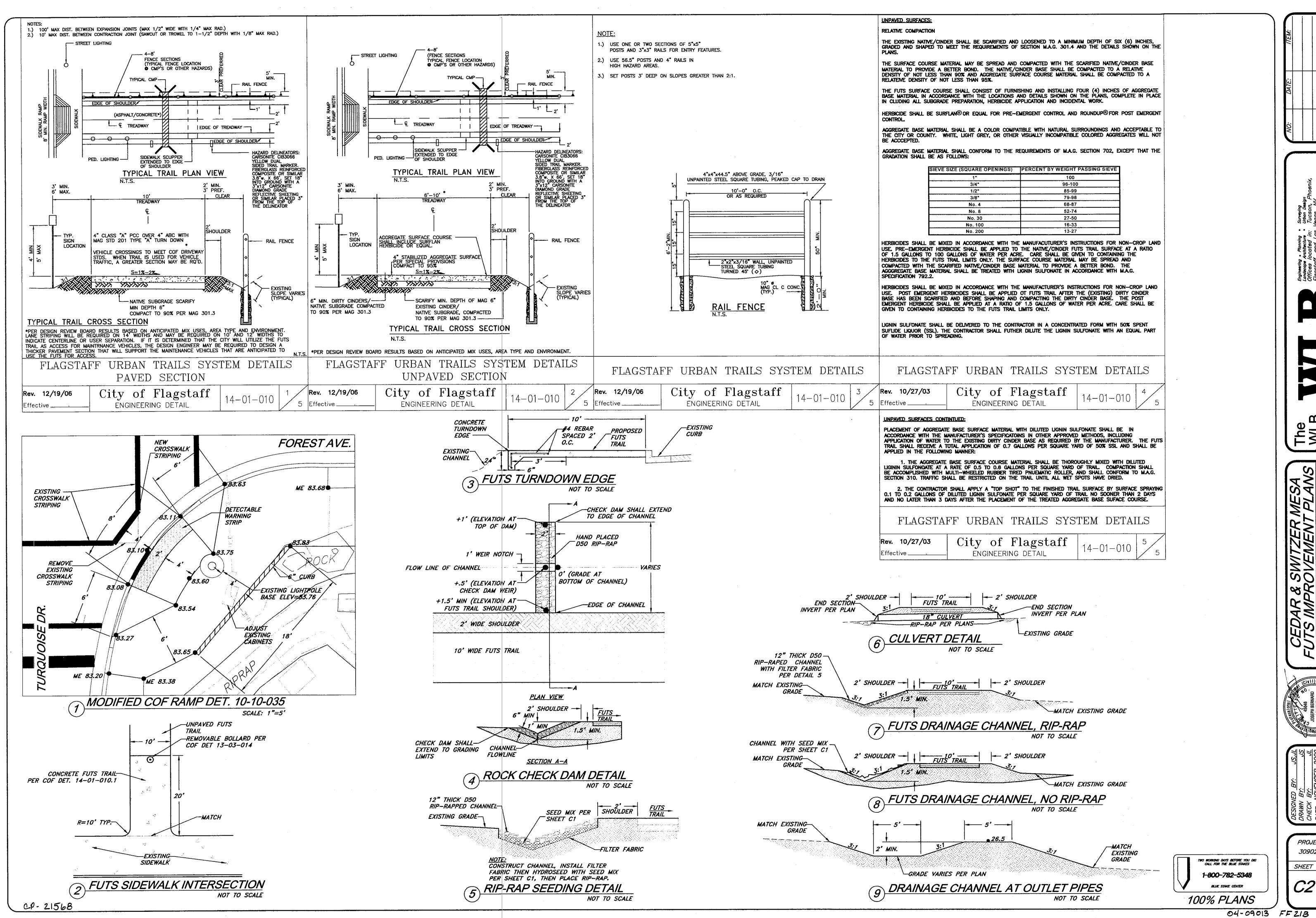




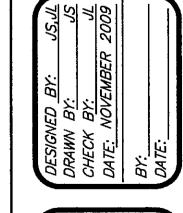




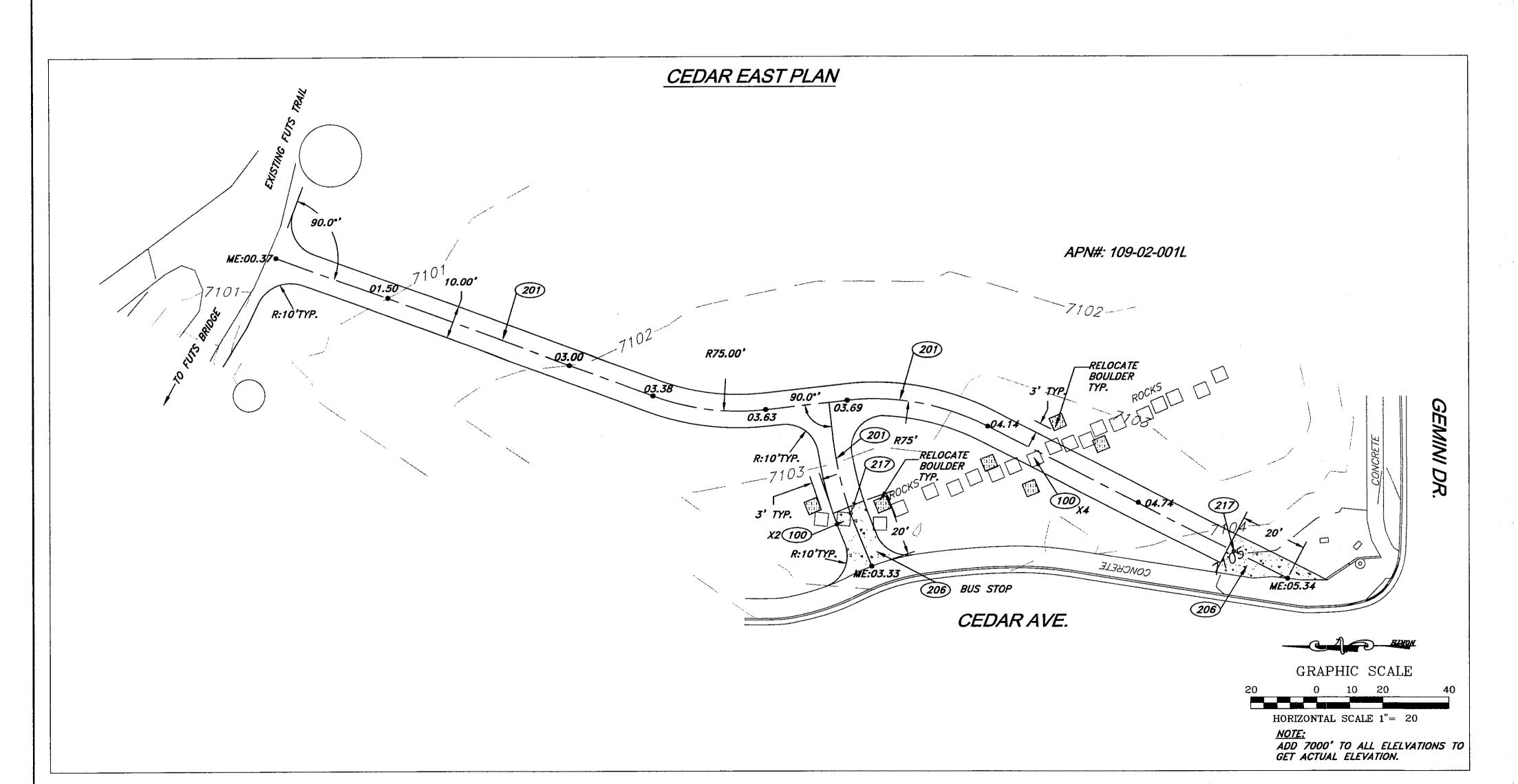




EDAR & SWITZER ME S IMPROVEMENT PL DE ळ



PROJECT NO. 309025A001 SHEET OF



KEYNOTES

REMOVALS AND ADJUSTMENTS

(NOTE 100) 6 EA RELOCATE EXISTING BOULDERS

(NOTE 101) 10 LF REMOVE EXISTING FUTS RAIL FENCE

(NOTE 102) 30 LF REMOVE & DISPOSE OF EXISTING CURB

(NOTE 103) 675 SF REMOVE & DISPOSE OF EXISTING CONCRETE

(NOTE 104) 3 EA ADJUST EXISTING ELECTRIC BOX TO FINISH GRADE

(NOTE 105) 1 LS REMOVE & DISPOSE OF EXISTING BOULDERS

(NOTE 106) 10 SY SAW-CUT, REMOVE & DISPOSE OF EXISTING ASPHALT

(NOTE 107) 1 LS REMOVE EXISTING CROSSWALK STRIPING

NEW CONSTRUCTION

(NOTE 200) 1350 SF NEW 10' WIDE CONCRETE FUTS TRAIL PER COF STD. DET. 14-01-010.1

(NOTE 201) 380 SY NEW 10' WIDE AGGREGATE FUTS TRAIL PER COF STD. DET. 14-01-010.2

(NOTE 202) 1 EA NEW CURB RAMP, PER DET. 1 SHT. C2

(NOTE 203) 10 LF NEW FUTS RAIL FENCE PER COF DET. 14-01-010

(NOTE 204) 40 LF CONSTRUCT 24" TURN DOWN EDGE ON FUTS TRAIL ADJACENT TO CHANNEL PER DET. 3, SHT C2

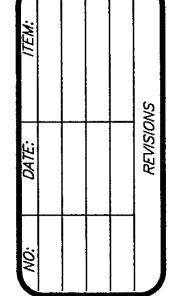
(NOTE 205) 10 SY NEW ASPHALT TO MATCH EXISTING SECTION

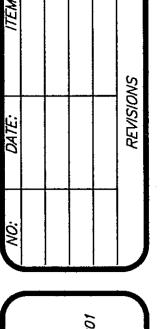
(NOTE 206) 44 SY NEW CONCRETE FUTS ENTRANCE PER DET. 2, SHEET C2.

(NOTE 217) 2 EA NEW REMOVABLE BOLLARD PER COF DET. 13-03-014.

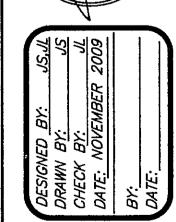
(NOTE 218) 8 LF NEW CROSSWALK STRIPING

(NOTE 219) 1 LS NEW SEEDING AND LANDSCAPE RESTORATION







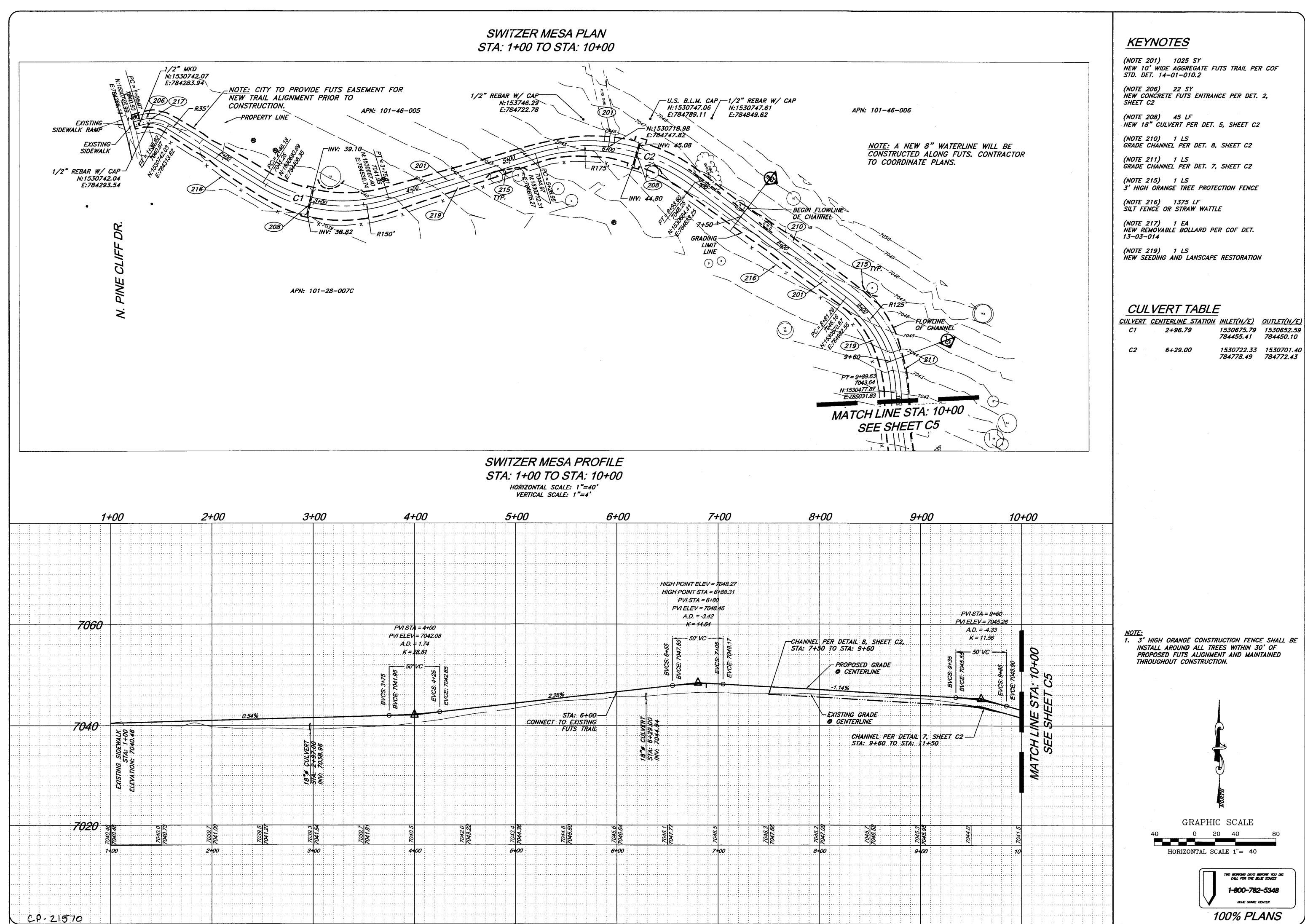


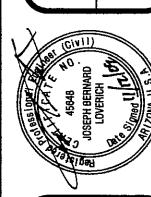
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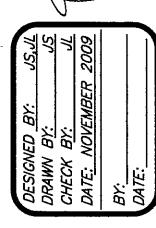
SHEET OF C3 C5

100% PLANS

1-800-782-5348







PROJECT NO. 309025A001 SHEET OF

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